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SOLAR PUMPING INVERTER MANUAL

HOBER TECHNOLOGY CO.,LTD

Company Profile



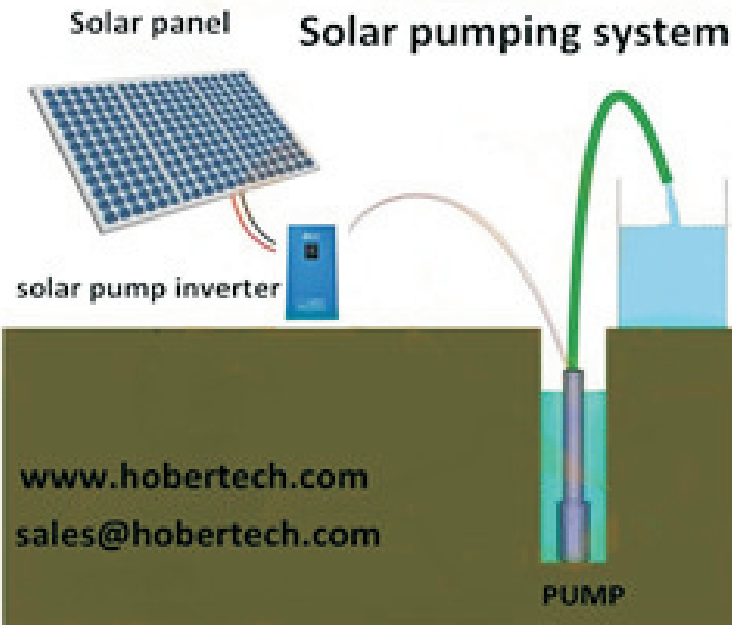
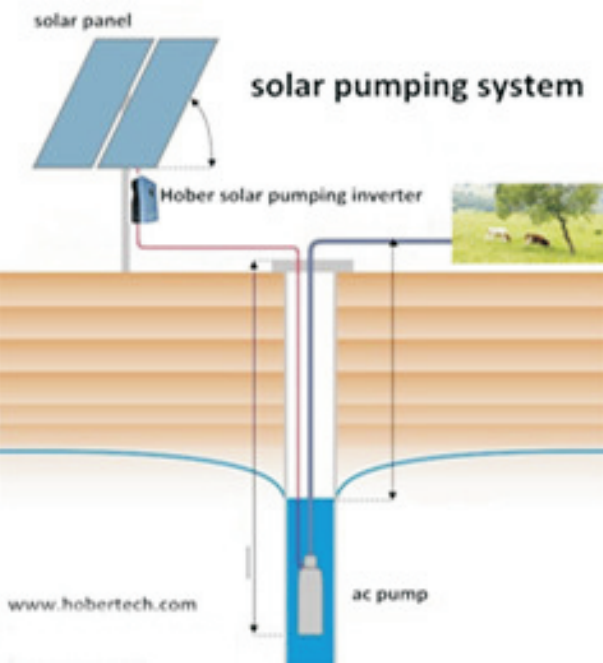
Hober Technology Co.,LTD is a professional large-scale manufacturer of solar pump inverter, integrating development and production together. As a leader in china ,we have patent by ourselves and CE certification ,and still focus on research, development and innovation, Our company was established in 2009, Located near Hongk-ong which convenient sea, land and air transportation. already exporting to Asia, Australia, Africa and 20 other c-ountries and regions. “reasonable prices, efficient production time and good after-sale service” are our tenets. We hope to cooperate with more customers for mutual development and benefits. and welcome potential buyers to co-ntact us.



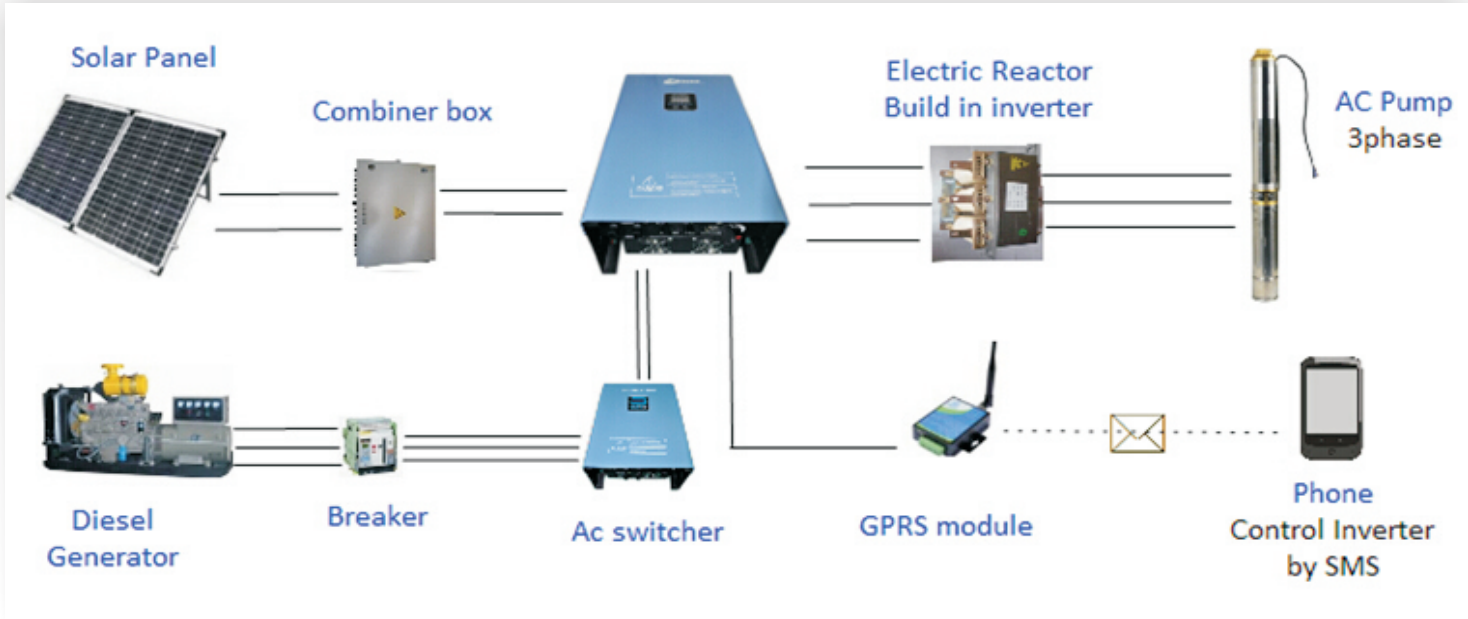
CE Certificate:



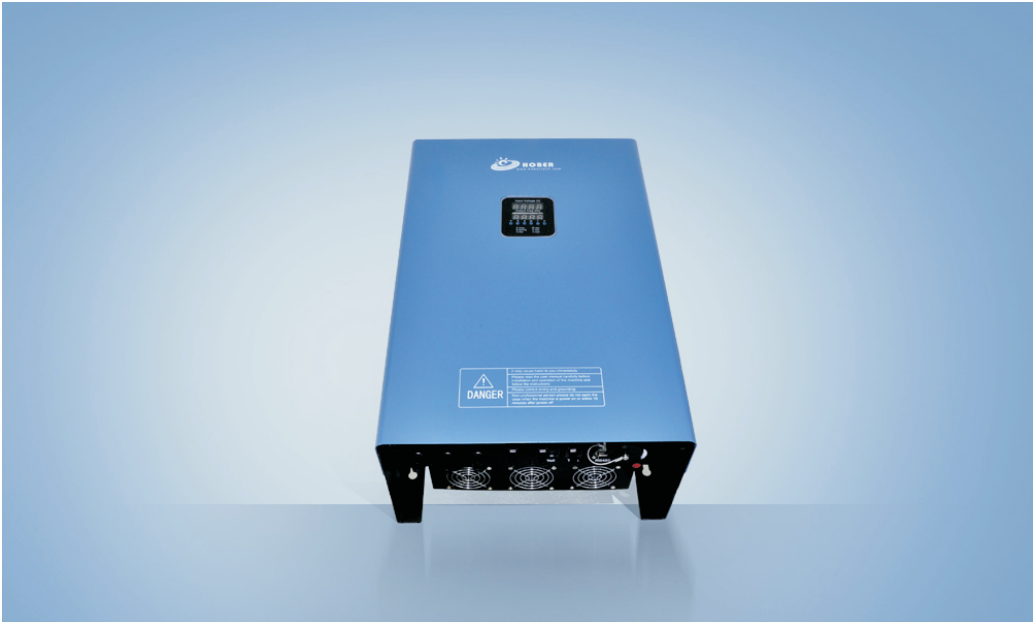
Solar Pumping System:



Solar pumping system is consist of Solar panel, Solar pumping inverter/Controller, AC/DC (3Phase)pump.HSPL/HXXXXL/HA/B series products are convert the DC power of the PV array to 3ph AC power and drives the pump, according to the power of PV array output , regulates output frequency and let PV output max power at all time.The system use green energy of solar energy, energy saving,environmental protection, low carbon.etc



Specification Parameter



Hober Solar Pumping Inverter Model		HSPL18KHA/B	HSPL22KHA/B	HSPL30KHA/B
DC input	Rated Power(W)	18500W	22000W	30000W
	Min DC Input Voltage(V)	460V	460V	460V
	Max DC Input voltage(V)	750V	750V	750V
	Rated Power Of DC Input Voltage Request(V)	500-750V	500-750V	500-750V
	MPPT efficiency	>99%	>99%	>99%
AC output	Rated Power AC voltage(v) 3phase	380v	380v	380v
	Rated Power AC current(A)	39	45	60
	Inverter efficiency	99%	99%	99%
	Output frequency(Hz)	0~50/60	0~50/60	0~50/60
Water level sensor(water well)		Yes	Yes	Yes
Water level sensor(water tank)		Yes	Yes	Yes
AC Switcher		Optional	Optional	Optional
GPRS Monitor&Controller		Optional	Optional	Optional
Protection type		Ip65 DC input Low/Over Voltage DC Input Anti-Reverse Output Overload, Output short circuit Over temperature Sensor of water Empty /Full (Water empty of Well and Water full of Tank) Lightning Phase missing protect Dry run protection by software		
Operating environment:	Noise(1 m)	<50dB		
	Operating environment temperature	-10 to 60 Degree		
	Humidity	15%-+95%RH		
	Using altitude(m)	<4000Altitude higher than 1000m pls consider to use less loads)		
	Others	Prohibiting the installation location: direct sunlight, thick dust, corrosive gas or oil mist, flammable gas, liquid.etc		
Adapted Pump	HP	≤25HP	≤30HP	≤40HP
	Rated Power(W)	≤18500W	≤22000W	≤30000W
	Rated Frequency (Hz)	0~50/60	0~50/60	0~50/60
	Rated voltage(Vac)	AC-380v -3 phase	AC-380v -3 phase	AC-380v -3 phase
Solar Panel	Rated Power(W)	1.3~1.5 times AC 3 phase pump power	1.3~1.5 times AC 3 phase pump power	1.3~1.5 times AC 3 phase pump power

Features:

- ◆ Second Generation of MPPT Algorithm. Automatic detecting the MPPT Voltage
- ◆ Non-parameters to setting.
- ◆ One Key for Startup/ Stop
- ◆ Support adjusting the output water flow
- ◆ Fast and simple installation
- ◆ Long life expectancy and proven in service record,
- ◆ No need battery(water storage replaces battery power storage)
- ◆ LED Display
- ◆ Well and Tank's water level detecting, Optional of pressure sensor.
- ◆ RS485
- ◆ GPRS Control Optional, With LCD Display
- ◆ Cooling: Fan

Dimension(W*D*H mm)/ Weight(KG):

- ◆ 570*380*280 , 22 (KG)

Certificates:

CE EMC/LVD
EN 62109-1:2010, EN 62109-2:2011, EN 610000-6-3:2007+A1:2011,EN 610000-6-1:2007